

Application No. 09/820,531

Reply to Office Action of November 24, 2004

Amendments to the Specification:

The paragraph numbers of Patent Application Publication No. 2002/0009736, the published version of the present application as originally filed, will be used herein to describe the locations of the requested amendments to the specification.

Please replace paragraph [0025] of the present application with the following paragraph:

There are several DNA microchip technology reviews in the literature (Bowtell, D.D.L. Nature Genetics Supplement 21:25-32 (1999); Constantine and Herrington, Life Science News 1:11-13 (1998); Ramsay, G. Nature Biotechnology 16:40-44 (1998)), and several good web sties detailing the apparatus and protocols used by other laboratories. Table 1 lists several good web sites for organizations and entities, including highly active laboratories in DNA microchip technology, as well as several sources of robotics systems and equipment imaging software and systems and vendors of robotic components, each of which have an associated web site containing useful information.

Please replace Table 1 of page 4 of the present application with the following with the following Table:

Table 1: Informative web sites for DNA microarray technology

<u>DNA microarray technology web sites organizations and entities</u>	<u>URL</u>
Automation and Miniaturization in Genome Analysis, Max Plank Institute for Molecular Genetics	http://www.mpimg-berlin-dahlem.mpg.de/ autom/autom.htm
Department of Molecular Biotechnology, University of Washington	http://chroma.mbt.washington.edu/mod-www/
Functional Genomics Group, Albert Einstein College of Medicine	http://sequence.aecom.yu.edu/bioinf/funcgenomic.html
Genomics Group, Children's Hospital of Philadelphia	http://w95vc1.neuro.chop.edu/veheunng
Laboratory of Cancer Genetics, National Human Genome Research Institute	http://www.nhgri.nih.gov/Intramural+Research/Lab+caner/
Joint Genome Institute,	

Application No. 09/820,531

Reply to Office Action of November 24, 2004

Lawrence Livermore National Laboratory
<http://llnl.gov/automation-robotics/poster.1.html>
Pat Brown Laboratory,
Stanford University
<http://emgm.stanford.edu/pbrown>
Stanford DNA sequence and Technology Center
Stanford University
<http://sequence.stanford.edu/group/techdev/>
Microarrays, imaging systems and scanners
Applied Scientific Instrumentation, Inc.
<http://www.ASIimaging.com/>
Axon Instruments, Inc.
http://axon.com/GN_Genomics.html
Beecher Instruments
<http://www.beecherinstruments.com/>
BioDiscovery, Inc.
<http://www.Biodiscovery.com/>
BioRobotics, Ltd.
<http://www.biorobotics.com/>
Empix Imaging, Inc.
<http://www.empix.com/>
GeneMachines, Genomic Instrumentation Services, Inc.
<http://www.genemachines.com/>
General Microarray Information
<http://www.microarray.org/>
General Scanning, Inc.
<http://www.genscan.com/>
Genetic Microsystems, Inc.
<http://www.genetiemiicro.com/>
Genometrix, Inc.
<http://www.genometrix.com/>
Genomic Solutions
<http://www.genomicsolutions.com/>
Imaging Research, Inc.
<http://www.imagingresearch.com/>
Intelligent Automation
<http://www.ias.com>
Molecular Dynamics, Inc.
<http://www.mdyn.com/arrays/arraywhat.htm>
Radius Biosciences
<http://www.ultranet.com/~radius>
Research Genetics
<http://www.resgen.com>

Application No. 09/820,531

Reply to Office Action of November 24, 2004

ScanAlyze software

<http://bronzi.stanford.edu/ScanAlyze/>

Telechem International, Inc.

<http://www.wenet-telechem/>

Western Technology Marketing

<http://www.westerntechnology.com/>

Robotics Galil

<http://galilme.com/>

Parker-Compumotor

<http://www.compumotor.com/>

Parker-Daedal

<http://www.daedalpositioning.com/>

Please replace paragraph [0080] of the present application with the following paragraph:

Enter your e-mail address to receive the results, which will probably take overnight. When you receive your results, go to edit and select "Find". Enter part of the known core element sequence and visually search for the second part (e.g., core element=RTGACNNNGC [SEQ ID NO:1], enter TGAC and visually search for GC 3 bases away).

Please replace the chart between paragraphs [0082] and [0083] of the present application with the following chart:

3 Feature:	promoter	(1..1976)		
ID	AF029342	standard; DNA; HUM; 2056 BP.		
DT	08-APR-1998	(Rel. 55, Created)		
DT	08-APR-1998	(Rel. 55, Last updated, Version 1)		
DE	Homo sapiens growth hormone-releasing hormone receptor			
DE	gene, promoter region.			
KW				
matrix	matrix	core	matrix	
name	position (str)	simil.	simil.	sequence
/tmp/bigbox	1094 (+)	1.000	0.940	
taaaaGTGAccaggca	[SEQ ID NO:2]			

Application No. 09/820,531

Reply to Office Action of November 24, 2004

Please replace the chart between paragraphs [0096] and [0097] of the present application with the following chart:

OLIGO	start	len	tm	gc %	any	3'	seq
LEFT PRIMER	1030	22	60.28	50.00	6.00	0.00	TCTCCAAGTCGACA- CTTTTCC [SEQ ID NO: 3]

SEQUENCE SIZE 1617

INCLUDED REGION SIZE 1617

PRODUCT SIZE 452, PAIR ANY COMPL 6.00, PAIR 3' COMPL 2.00

PRODUCT Tm 83.0666 PRODUCT Tm - min (OLIGO Tm) 22.8601

1 AGCAGCCAAGGCTTACTGAGGCTGGTGGAGGGAGCCACTGCTGGGCTCACCATGGACCGC

61 CGGATGTGGGGGGCCACGCTTCTGCGTGTGAGCCCGTTACCGACCGTATTGGGCCAC

[SEQ ID NO: 4]

*Notice the frequency of repeats in this sequence. It is probably not a good candidate for consideration!